

Amendments to the Specification:

Please replace paragraph [0022] with the following amended paragraph:

[0022] The United States patent-application of Hildebrant entitled "Methods and Apparatus for Optimizing the Masking of Waveforms to Reduce the Number of Waveforms in a List of Waveforms" (~~Application No. 10/686,376~~ Patent No. 6,944,558, which is hereby incorporated by reference) discloses methods and apparatus for masking waveform list entries in accordance with weights. For example, the number of times a waveform is encountered in a test pattern may be tracked, and this number may then be assigned to the waveform as its "statistical weight". Or, for example, the importance of a waveform being preserved is determined, and is assigned to the waveform as its "priority weight". A waveform may be deemed to have a greater priority because, for example, it is the only waveform (or one of a few) that may expose a particular fault. The use of weights in combining waveform entries is shown herein in FIGS. 6-9.